

PHYS 752

Fall 2004

MATHEMATICAL METHODS IN PHYSICS I

- Instructor:** Dr. Thomas Ihle
ihle@msi.umn.edu
South Engineering 212A, 231-7045
- Meetings:** Tuesdays and Thursdays 10:00-11:15 a.m.
South Engineering 212C
- References:** K.F. Riley, M.P. Hobson and S.J. Bence,
Mathematical Methods for Physics and Engineering (Cambridge, 1998)
- Topics:** Ordinary Differential Equations
Partial Differential Equations
Green's Functions
Numerical/Computational Methods
Complex Variables
Fourier- and Laplace Transformation
Calculus of Variations
- Grading:** Problem Sets (1/3)
Projects (1/3)
Final Exam(1/3)

All work in this course must be completed in a manner consistent with NDSU University Senate Policy, section 335: Code of Academic Responsibility and Conduct:

<http://www.ndsu.nodak.edu/policy/335.htm>

Any students with disabilities who need accomodation in this course are encouraged to speak with the instructor as soon as possible to make appropriate arrangements.